

Fig. 4 is a sectional view along IV-IV line in Fig. 2;

Fig. 5 is a sectional view along V-V line in Fig. 2;

5 Fig. 6 is a plan view of the connector ferrule of the optical connector with the guide pins, which is shown in Fig. 1;

Fig. 7 is a sectional view thereof along VII-VII line;

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10 Figs. ~~8 to 12~~ <sup>8,9,10,11 and 12</sup> represent experimental data illustrating the optical connection loss in optical connectors. Fig. 8 represents experimental data obtained by using a connector ferrule in which no chamfer was provided at the opening edge portion of  
15 guide holes;

Fig. 9 represents experimental data obtained by using the connector ferrule in accordance with the present invention;

20 Fig. 10 represents experimental data obtained by changing the particle size of the filler contained in the connector ferrule;

Fig. 11 and 12 represent experimental data obtained when the surface roughness of the chamfer was changed; and

25 Fig. 13 illustrates an example of a guide pin used FOR connecting optical connectors without the guide